MATERIAL SAFETY DATA SHEET

SF	CTION 1 - PR	RODUCT		ΜΡΔΝΥ ΙΓ		τιον	
PRODUCT NAME:	Lightning Spr					non	
PRODUCT NUMBER(S):	1-0402 (10040	-	•		DATE:		August 1, 2011
	pray® White	,					U
GENERAL USE: Fingerprintin							
CHEMICAL FAMILY: Mixed organ	nic/inorganic					LIGHT	NING
PRODUCT DESCRIPTION:							
Flammable aerosol propellant and pecharacteristic odor.	owder (white) with	na				POWI	JER®
MANUFACTURED FOR:			DATE PREPA	ARED:	August 1, 2	011	
Safariland, LLC			SUPERSEDE	S:	September	30, 2009	
ADDRESS (NUMBER, STREET, P.O	D. BOX)		TELEPHONE	NUMBER F	OR INFORMA	TION / Custor	er Service
13386 International Parkway					800-347	7-1200	
(CITY, STATE AND ZIP CODE)	C	COUNTRY	CHE	MTEL 24-H	OUR EMERGE	NCY TELEPH	IONE NUMBER
Jacksonville, FL 32218		USA	ChemTe		1-800-	255-3924	01-813-248-0585
			, //	ic.	North Ame	rica Toll Free	International
	SECTIO	N 2 - H	AZARDS I	DENTIFIC	CATION		
EMERGENCY OVERVIEW Extremely flammable aerosol. Irritati of children.	ng to skin, eyes, a	and respirat	tory system. V	apors may c	ause drowsines	ss and dizzines	ss. Keep out of the reach
POTENTIAL HEALTH EF	FECTS						
INHALATION:							
Irritation of the mucous membranes,	coughing, wheez	ing, shortne	ess of breath, a	and dyspnea			
SKIN:							
Capable of causing mild irritation, es EYES:	pecially with chroi	nic or proio	nged contact.	May cause d	ryness or craci	king of the skin	•
Causes moderate irritation - potentia	Illy causes both ch	nemical and	d mechanical ir	ritation, with	redness, tearir	ng, and pain/bu	urning.
INGESTION:	<u>.,</u>				,,	.g,	g.
Unlikely as product is an aerosol.							
CARCINOGENICITY:							
NTP? No	IARC MONO	GRAPHS?	No		OSHA REG	ULATED?	No
CALIFORNIA, Prop.65?	No			0 11/0 05	DIENTO		
	SECTIO	N 3-HA	AZARDOU	S INGRE	DIENIS		
	0((h) M = [-] - ()		o "		F00 //	Hazard	RISK PHRASES
Hazardous Components	% (by Weight)	CAS #			ECS #	Symbol	(Full Text Section 15)
Isobutane	NR	75-28-5 67-63-0			-857-2	F+, Xi	R12, R36/37/38
Isopropanol Titonium Diguida	NR				-661-7	F,Xi	R11, R36/37/38
Titanium Dioxide	NR	13463			-675-5	None	None
Zinc Stearate	NR	557-				None	None
Lycopodium	NR	8023				None	None
Notes: Hazard symbols and risl	-					ngredient.	
	SECT	<u>'ION 4-</u>	FIRST AI	D MEAS	URES		
INHALATION: Remove victim to fresh air, administe	er oxygen and/or a	artificial res	piration if unco	onscious. Cor	ntact a physicia	in immediately	
EYES: Check for and remove contact lense persists, seek medical attention. Do						lids open; if irr	itation
SKIN:							
Remove contaminated clothing; was persists, seek medical attention.	h affected area wi	ith soap an	d water; launde	ər contamina	ted clothing be	fore reuse; if ir	ritation
INGESTION: In the unlikely case of ingestion, DO liquid into lungs. Seek immediate em							to prevent aspiration of

PRODUCT NAME: PRODUCT NUMBER(S):	Lightning Spray 1-0402 (1004002	-	1		DATE:		Αυαι	ust 1, 2011
		•	PE FIGH	TING MEAS				131 1, 2011
GENERAL HAZARDS:		<u> </u>			JUNEO			
Forms explosive mixtures with air even at ambient temperatures. Development of hazardous combustion gases or vapors possible in the event of fire (CO, Carbon Monoxide). Special protective equipment for fire fighting: do not stay in dangerous zone without suitable chemical protection clothing and self-contained breathing apparatus.								
EXTINGUISHING MEDIA:								
CO2 (Carbon Dioxide), alcohol-resist	ant foam, powder.							
FIRE FIGHTING PROCEDURES:								
Do not stay in dangerous zone withou		al protectior	n clothing ar	d self-contained	I breathing ap	paratus.		
UNUSUAL FIRE AND EXPLOSION F Forms explosive mixtures with air ever fire (CO, Carbon Monoxide).		peratures. [Developmen	t of hazardous c	ombustion ga	ses or vapors p	bossible in t	the event of
HAZARDOUS COMBUSTION PROD	DUCTS:							
Carbon Monoxide, Carbon Dioxide, Z		Oxides						
	SECTION 6-		ENTAL F	RELEASE N	IEASURE	S		
STEPS TO BE TAKEN IN CASE MA								
Person-related precautionary measures: avoid substance contact. Do not breathe mists or dusts. Wear protective clothing. Keep unprotected persons away. Use only in well ventilated areas. Procedures for cleaning/absorption: ensure adequate ventilation. Wear PPE as described in Section 8. Wipe up with towel. Treat discarded material as a respiratory hazard. Treat empty aerosol cans as flammable.								
	SECTION	17-HA	NDLING	AND STO	RAGE			
PRECAUTIONS TO BE TAKEN IN H								
Ensure good ventilation / exhaustion at the workplace. Aerosol product, do not expose to temperatures >30°C. Do not incinerate containers even when empty. Do not puncture. Do not spray on flame or other ignition sources-No smoking. Store in a cool well-ventilated place. Observe official regulations on storing packaging with pressurized containers.								
SECTIO	N 8 - EXPOSU	URE CO	ONTROL	S / PERSON	IAL PRO	TECTION		
		NIO				CGIH	OSHA	
HAZARDOUS COMPONENTS		WA mg/m3	STEL ppm	STEL mg/m3	TLV/TWA ppm	TWA mg/m3	PEL ppm	PEL mg/m3
Isobutane	1000 ppm TWA REL), 1000 ppm				H), TWA 800	ppm (1900 r	ng/m³) (N	IOSH
Isopropanol	200 ppm TWA, ppm (1225 mg/r						L, NIOSH	REL), 500
Titanium Dioxide	10 mg/m ³ TWA (ACGIH) , 15 mg/m ³ TWA(5 mg/m ³ respirable)(OSHA PEL). (b)							
Zinc Stearate	10 mg/m ³ TWA (ACGIH) , 15 mg/m ³ TWA (5 mg/m ³ respirable) (OSHA PEL). (b)							
Lycopodium	None Established							
(b) - as dust.	-							
RESPIRATORY PROTECTION:								
Respirators for organic vapors and dusts conforming to NIOSH/MSA or European EN-149 standards when organic vapors and dusts are generated by spraying this product in an enclosed area.								
PROTECTIVE GLOVES: Wear chemically resistant gloves - lat	tex, nitrile, or neop	rene glove:	s are accept	able.				
EYE PROTECTION: Wear properly fitted chemical safety g	-	hields; safe	ety goggles	are also accepta	ıble.			
OTHER PROTECTIVE CLOTHING C Wear a protective rubber or plastic ap		ly, a protec	tive suit, wh	en using this pro	oduct to preve	nt contaminatic	on of clothin	ıg.
WORK / HYGIENIC PRACTICES: Wash hands and face after working v	with the substance.	. Wear Pers	sonal Protec	tive Equipment :	at all times wh	ile working with	h product. V	Wash hands

and face before eating, drinking or smoking. No eating, drinking, or smoking while using product!!!.

PRODUCT NAME: PRODUCT NUMBER(S):	Lightning Spray® White 1-0402 (1004002)		ATE:	August 1, 2011			
	· · · ·	L AND CHEMICAL PR		-			
		L AND CHEWICAL PP	COPERIN	23			
Aerosol powder (white) with slight	NR						
VOC NR Volatility	SPECIFIC GRAVITY (WATER	= 1)					
	NR						
BOILING POINT / BOILING RANGE	SOLUBILITY IN WATER						
NA- Aerosol.		Slight Solubility					
FLASH POINT	VISCOSITY						
NA- Aerosol.		NR					
FLAMMABLE LIMITS		VAPOR DENSITY (AIR = 1)					
LEL: NR UEL:		NR					
		EVAPORATION RATE BUTYL ACETATE = 1)					
		ABILITY AND REACT	Ινιιγ				
STABILITY	·····	CONDITIONS TO AVOID:					
		Ignition sources, open flame,	contact wit	th incompatible substances.			
INCOMPATIBILITY (MATERIALS TO Avoid contact with strong oxidizin		nd aldahudaa					
HAZARDOUS DECOMPOSITION OF		10 aldenydes.					
Carbon Monoxide, Carbon Dioxide		titanium oxides					
HAZARDOUS POLYMERIZATION:		CONDITIONS TO AVOID:					
Will not occur.		None related to polymerizatio	in.				
		(ICOLOGICAL INFORM					
	Ī l		In the test				
Hazardous Components	CAS # EINECS #	LD50 of Ingredient (Specify Species and Rout	te)	LC50 of Ingredient (Specify Species)			
•	75-28-5		,	57 pph / 15 Min			
Isobutane	200-857-2	NR		(Inhalation, Rat)			
leenronanol	67-63-0	5000 mg/kg		72,600 mg/m ³			
Isopropanol	200-661-7	(Oral, Rat)		(Inhalation, Rat)			
Titanium Dioxide	13463-67-7	60 gm/kg - lowest publishe	d toxic	lowest published toxic			
	236-675-5	dose (oral, rat)		concentration: 1 mg/kg (rat)			
Zinc Stearate	557-05-1	>10 gm/kg (oral, rat)	<u> </u>	>1,241 mg/m ³ /4 hour (inhalation,			
	209-151-9			rat)			
Lycopodium	8023-70-9	Not Established		Not Established			
	Not Found						
		COLOGICAL INFORMA					
Slightly hazardous for water do not al	•	upplies, other watercourses, sew	vers system	s, groundwater, or soil. No			
ecological data specific to this blende	•		TIONS				
	SECTION 13-DIS	SPOSAL CONSIDERAT	TUNS				
WASTE DISPOSAL METHOD:	and of hu a liganda wasta (diananal facility in compliance wi		tate and foderal regulations DO			
Treat as hazardous waste to be dispondent of the second se							
NOT INCINERATE THIS PRODUCT! DO NOT ALLOW THE CONTAMINATION OF DRINKING WATER, FOOD, OR FEEDSTUFFS. SECTION 14 - TRANSPORT INFORMATION							
PROPER SHIPPING NAME: Aerosols, Flammable							
			- Oraumi 4	Planmahla n a a			
DOT HAZARD CLASS / Pack Gro			•	Aerosols, Flammable, n.o.s.,			
REFERENCE: 49 CFR		2.1 UN 1950, 75kg passeng IMDG HAZARD CLASS: Sea	ger, 150kg a class 2, U				
		RID/ADR Dangerous Goods Co		JN 1950, 2.1			
LABEL: Flammable Gas HAZARD SYMBOLS:		UN TDG Class / Pack Group: 2. Hazard Identification Number (H					
HAZARD STIVIBOLS.			111N). 2 .	3			
v							
Note: Transportation information prov Nations TDG, and WHMIS (Canada)							

packaging materials and methods of shipping.

MATERIAL SAFETY DATA SHEET

PRODUCT NAME:	Lightning Spray® White						
PRODUCT NUMBER(S):	1-0402 (1004002)		DATE:	August 1, 2011			
SECTION 15 - REGULATORY INFORMATION							
TSCA (USA - Toxic Substance Control Act): Ingredients listed.							
	d Amendments and Reauthorization						
Acute Health:	Yes	Chronic Health	1:	Yes			
Fire:	Yes	Sudden Relea	se of Pressure:	Yes			
Reactive:	No						
313 REPORTABLE INGREDIEN	TS: None reportable.						
CERCLA (USA - Comprehensive	Response Compensation and Liabi	lity Act):	No RQ's applicable.				
	Water and Toxic Enforcement Act of	• •					
CCPR (Canadian Controlled Pro			•				
CIDL (Canadian Ingredient Discl	osure List): Isopropanol and Zinc	Stearate are of	n the CIDL.				
CDSL / NDSL (Canadian Domestic S	Substances List / Non-Domestic Substar	ces List):	Listed on CDSL.				
EINECS (European Inventory of	Existing Commercial Chemical Subs	tances):	Referenced.				
WGK Water Quality Index:	2	1					
RISK PHRASES:	SYMBOL(S) REQUIRED FOR EL	LABEL	SAFETY PH	RASES:			
R12 Extremely flammable.			S2: Keep out of the rea	ch of children.			
R20/21/22 Harmful by			S3/9/14 Keep in a cool,				
inhalation, in contact with skin			place away from strong				
and if swallowed.			bases, amines and alde				
R36/37/38 Irritating to eyes,	F+ - Flammable		S16: Keep away from s	-			
respiratory system and skin.			No smoking.	Ū			
R66 Repeated exposure may			S20/21 When using do	not eat, drink or			
cause skin dryness or			smoke.	·			
cracking.			S23: Do not breathe sp	ray, vapors, or			
R67 Vapors may cause			dusts.				
drowsiness and dizziness.		,	S24/25 Avoid contact w	vith skin and eyes.			
	Xn - Harmful		S26 In case of contact	-			
			immediately with plenty	-			
			medical advice.				
			S37/39 Wear suitable gloves and eye/face protection.				
			S51 Use only in well-ve	ntilated areas.			
			•				
	SECTION 16 - OTHER	INFORMAT	ION				
	N/D = Not Determined N/E = Not	Established N	/R = Not Reported				
HMIS HAZARD RATINGS	HEALTH:		2				
0 = INSIGNIFICANT, 1 = SLIGHT	FLAMMABILITY:		4				
2 = MODERATE, 3 = HIGH	PHYSICAL HAZARD:		0				
4 = EXTREME	PERSONAL PROTECTIVE EQUIP		l				
REVISION SUMMARY:	Revised Issue to E.U. protocols 8/1/201	1 supersedes 9/3	0/2009 issue. LB/JTV				
MSDS Prepared by:							
ChemTel Inc.							
1305 North Florida Avenue Tampa, Florida USA 33602-2902							
Tampa, Florida USA 33602-2902 Toll Free North America 1-888-255-3924 Intl. +01 813-248-0573							
Website: www.chemtelinc.com							
The information contained herein is believed to be accurate but is not warranted to be so. Data and calculations are based on information							
furnished by the manufacturer of the product and manufacturers of the components of the product. Users are advised to confirm in advance of							
need that information is current, applicable and suited to the circumstances of use. Vendor assumes no responsibility for injury to vendee or third							
persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendo assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions							
regarding this product should be directed to the manufacturer of the product as described in Section 1.							
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